Background - Proposed Urban Pesticides Amendment Elements

The Proposed Urban Pesticides Amendment do not affect any other TMDL MS4 compliance efforts for other stormwater pollutants

- **ELEMENT A.** Pesticides Regulatory Coordination (USEPA, DPR MAA)
- ELEMENT B. Urban Pesticides Coordinated Monitoring Program requirements for pesticides and toxicity in urban receiving waters, including a statewide monitoring framework
- ELEMENT C. MS4 Permit Requirements
 - MS4_1. Create an in-house Integrated Pest Management (IPM) policy and accompanying procedure to limit the MS4's own pesticide use.
 - MS4_2. Conduct public outreach on IPM to residential and commercial pesticide users, those who hire structural pest control and landscape professionals, and to pest control professionals
 - MS4__3. Effectively Prohibit non-stormwater discharges, including excess irrigation water
 - MS4_4. Participate in monitoring & other efforts to provide information supporting pesticides regulatory efforts and to evaluate effectiveness.
 - MS4_5. Continue implementation of stormwater capture and treatment BMPs to mitigate other driving stormwater pollutants.

Pesticide Control Areas

Pesticides in the urban environment can be reduced in three control areas: (a) Sale, (b) Use, and (c) Runoff.

Figure 1 – Urban Pesticide Control Options
Theoretical Urban Pesticide Control Options

(Includes ineffective and infeasible options) Use* Runoff Sale EPA -Registration orban const Cancelation DPR. Regulation Runo I leannea Registration No known technology Carroelation CALegislature – State Law Problem and a low Profitbill discharge of performed to store

*Impregnated materials like building paint, treated wood, and roofing materials virtually impossible to control after sale to due lack of labeling

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UPA Program of Implementation Elements addressing the Pesticide Control Areas

The various elements of the Urban Pesticides Amendments will affect the sale, use and runoff of pesticides in urban areas as shown in **Table 1** below.

Table 1. Urban Pesticides Amendment Elements addressing Control Areas			
	A. Pesticide Regulatory Coordination (USEPA DPR MAA)	B. Statewide Monitoring Framework	C. MS4 Permit Requirements (1-5)
	Coordination will provide	Data Collected from monitoring will	MS4_4: Data collected from monitoring
	valuable information to	inform sale regulations	will inform DPR regulation on sales
1000	DPR and USEPA OPP to	Data Collected from monitoring will	MS4_1: IPM program affecting use on
	affect decisions on	inform label use requirements	MS4 properties
	requirements for sale		MS4_2: Public Outreach affecting use
	and labeling of pesticides		MS4_4: Data collected from monitoring
			will inform DPR Regulation on Use
c Runoff	N/A	Special Studies can provide	MS4_3: Dry weather runoff prohibition
		information identifying BMP	MS4_5: BMPs for other stormwater
		efficiencies for pesticide treatment	runoff pollutants will treat pesticides

Prevention and Management of Water Quality Impairments Due to Pesticides in California New Particles Stere Continues Decided Modeling and Statistical residen Modeling Informs Monitoring Design annvallansch/omnoble Element B Element C Toxicity Due to Pesticides Not State Blement A and/or Concentrations Above Participa Element B Thresholds Element A ali anice: Element B Element A Element C *Negotiated with registrant and approved by US EPA.

Figure 2 – How the Amendments fit into the DPR regulatory process

Program of Implementation Review

Water Board staff will assess this Program of Implementation 5 years after adoption.

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